

Hi, My name is [redacted] and I live at [redacted] right below the Sedat 3A injection well. Myself and family are probably at the highest risk of health impacts both physical and mental from the current Sedat 3A and the proposed 4A injection wells. I have filed several complaints with the EPA, DEP, Health department, local and state police departments and Plum municipality as well as PennDot, concerning water contamination, air pollution and truck traffic leading to road degradation and emissions.

Congress passed the SDWA in 1974. In part, the SDWA requires EPA to develop minimum federal requirements for UIC programs and other safeguards to protect public health by preventing injection wells from contaminating underground sources of drinking water (USDWs). The mission of EPA is to protect human health and the environment. It states on the EPA website that the EPA works to ensure that:
Americans have clean air, land and water;
National efforts to reduce environmental risks are based on the best available scientific information.

However in June of 2021 the Sedat 3A injection well had a failed mechanical integrity test which corresponds with the water complaints that myself and neighbors have made to the EPA and DEP in early July of 2021. Our water and neighbors' water now tests for elevated levels of Total Coliform, Iron, Manganese, Sodium, E. Coli, Methane, and Hexachlorocyclopentadiene. Our water is not recommended safe to drink and contributes to stress, anxiety and depression. According to sun.org scientific research also suggests that a common drinking water pollutant—lead—impacts mental health.

We all rely on our natural water sources for drinking, bathing, cooking, washing and other residential uses. I have to pay for water to be hauled in and stored in a water Buffalo now, for fear of using my well water, which never had an issue prior to the first injection well. My Husband and I are now living in the home where my Grandparents lived and they never had these issues. My parents have a natural spring which also is the only water source for them and cattle my Dad raises. Again, they never had a problem with their spring prior to the first injection well. They've had to spend \$3500 for a water filtration system, but it may still not be enough for possible future contamination.

The EPA is aware and has documented on their webpage that water run-off from rainfall or snow-melt can contaminate private wells by washing microorganisms into the well system or seeping underground. Heavy metals can contaminate private wells through groundwater movement and surface water seepage and run-off. People that consume high levels of heavy metals risk acute and chronic toxicity, liver, kidney, and intestinal damage, anemia, and cancer. Radionuclides can contaminate private wells through groundwater flow, waste water seepage and flooding. Drinking water with radionuclides can cause toxic kidney effects and increase the risk of cancer. Again I would like to point out my home is around 500ft below the first injection well site and the proposed 2nd site will be a neighboring location.

The EPA is in charge of enforcing: the Clean Air Act The EPA agreed to abide by the Clean Air Act (42 U.S.C. 7401), taking on the responsibility of not only improving but also protecting the country's air quality. Section 7470 of the U.S.C. specifically tasks the EPA with the goal "to protect public health and welfare from any actual or potential adverse effect which in the Administrator's judgment may reasonably be anticipated to occur from air pollution".

On July 28th 2021 a chemical odor was in the air, again never having this issue prior to the first injection well. This led me to work with ProtectPT and have an air quality monitor on our property that records data 24/7 and has shown VOC (Volatile Organic Compound) spikes. ProtectPTs report shows data of air pollution occurring.

VOCs can come from natural sources - for example, trees produce some VOCs. However, no research has ever pointed to natural sources producing values above the 50-300 ppb range at a given moment in time. Only unnatural sources like oil and gas activity could produce the numbers the monitor has been recording such as almost 40,000 ppb spiked. Data collection from our monitor reveals VOC concentrations above 500 ppb approximately 18,500 times from October 2021 through July 2022. High level of concern values, reaching up to 37,333 ppb. As VOC concentrations in the tens of thousands range have been shown to indicate oil and gas well activity, these levels can be attributed to the nearby Sedat 3A injection well. Such exposure to these levels of VOCs are likely to lead to symptoms such as headaches, nausea, dizziness, and issues with vision.

Myself and neighbors have filed complaints with the DEP and Allegheny Health Department and EPA regarding concern for a chemical odor in the air and symptoms of headaches, nausea and skin burning and eye irritation.

Truck traffic is already a nuisance. On days truck traffic is heavy a truck passes on average every 40 min or less between 5am-2pm. On January 7th of 2022 I recorded 5 trucks going to and from the injection well site in less than an hour and this is the case on some days currently. I am concerned about the truck emissions and carcinogenic material they carry that affect myself and my family's health.

Road degradation has already occurred.

Several portions of the road were collapsing and caving in on the road to the sedat 3a injection well. This was reported to PennDOT and temporary repairs have been made.

Further exposure of toxic chemical and radioactive contamination of drinking water, air quality, mine subsidence and the potential for earthquakes and road degradation from hundreds of trucks are all reasons for our opposition to the Sedat4A site. The EPA needs to deny the Sedat 4A site. We already have proof of concern from the first site. We do not need any more health impacts both mental and physical from a second site.